

the hollow cone of the fibro-calcareous sheath, and enlarging rapidly as it extends outwards to a considerable distance. This horny cup formed the anterior chamber of the Belemnite, and contained the ink-bag and some of the viscera." Owen subsequently traced a similarly organized membrane continued backwards from the margin of the alveolus, where Buckland's 'capsule' commences, "to line the alveolar cavity of the spathose guard," and to cover the exterior surface of the guard itself; the first description of which latter structure we find in the following words of his memoir, 'Phil. Trans.' 1844, p. 69:—"The exterior surface of the spathose guard of the *Belemnites* of the Oxford clay, though smoother than in some other species, is minutely granular, and occasionally presents faint traces of vascular impressions, proving it to have been invested by an organized membrane of the living Cephalopods." With his usual cautious exactitude he forbears to extend to this investing organized membrane the term 'capsule,' which his predecessor had correctly restricted to that part which, so far as it truly performs the function of a capsule, commences, as Dr. Buckland describes, where the fibro-calcareous sheath terminates. Every fact has its value; but this varies indefinitely, and does not become greater, when, by an abuse of terms, a small particular is laid claim to by a self-asserted discoverer.

I am, Gentlemen, your obedient servant,
THE QUARTERLY REVIEWER.

METEOROLOGICAL OBSERVATIONS FOR JUNE 1852.

Chiswick.—June 1. Clear and fine. 2. Cloudy: fine: rain. 3. Cloudy. 4. Overcast: fine: clear. 5. Very fine: slight rain. 6. Rain: clear at night. 7. Constant rain. 8. Thick whitish haze: low fog in the evening: heavy rain. 9. Excessively heavy rain throughout. 10. Rain: cloudy: clear. 11. Overcast. 12. Slight rain: overcast. 13. Fine: rain at night. 14. Showery. 15. Fine: showery: clear. 16. Rain: uniformly overcast. 17. Cloudy throughout. 18. Rain: showery: heavy rain. 19. Heavy clouds: clear and fine. 20. Overcast: rain. 21. Rain: cloudy. 22—24. Fine. 25. Uniformly overcast: fine: rain at night. 26. Rain: heavy showers. 27. Overcast: heavy showers. 28. Fine: densely overcast. 29. Overcast: cloudy: clear. 30. Fine: rather windy: clear at night.—More rain fell on the 7th, 8th, and 9th, than on any three consecutive days for at least twenty-six years near London.

Mean temperature of the month	58°·01
Mean temperature of June 1851	59·21
Mean temperature of June for the last twenty-six years ...	60·61
Average amount of rain in June	1·77 inch.

Boston.—June 1. Fine. 2. Fine: rain P.M. 3. Cloudy: rain A.M. 4. Fine rain A.M. 5. Fine. 6. Rain: rain A.M. 7, 8. Cloudy. 9. Cloudy: rain A.M.: 10, 11. Cloudy: rain A.M. and P.M. 12. Cloudy: rain A.M. 13. Cloudy: rain P.M. 14, 15. Cloudy: rain A.M. and P.M. 16. Rain: rain A.M. and P.M. 17. Fine: rain A.M. and P.M. 18, 19. Cloudy: rain A.M. 20. Cloudy: rain P.M. 21. Rain: rain A.M. 22. Cloudy: rain A.M. and P.M. 23—25. Fine. 26. Cloudy: rain A.M.: 27. Cloudy. 28. Cloudy: rain P.M. 29, 30. Cloudy.

Sandwich Manse, Orkney.—June 1, 2. Showers. 3. Rain: showers. 4, 5. Bright: clear: fine. 6. Hazy. 7. Hazy: clear: fine. 8. Bright: fine. 9. Cloudy: damp. 10. Drizzle. 11. Drizzle: showers. 12. Damp: bright. 13. Clear: fine: cloudy. 14. Showers: cloudy: fine. 15. Bright: fine: clear: fine. 16. Bright: fine: cloudy. 17. Clear: fine: cloudy. 18. Damp: fog. 19. Bright: clear: fine. 20. Damp. 21. Damp: fog. 22, 23. Rain. 24, 25. Bright: showers. 26. Bright: rain. 27. Bright: showers: fine. 28. Clear: fine: drops: fine. 29. Clear: fine: cloudy: fine. 30. Rain.